

FIG. 1

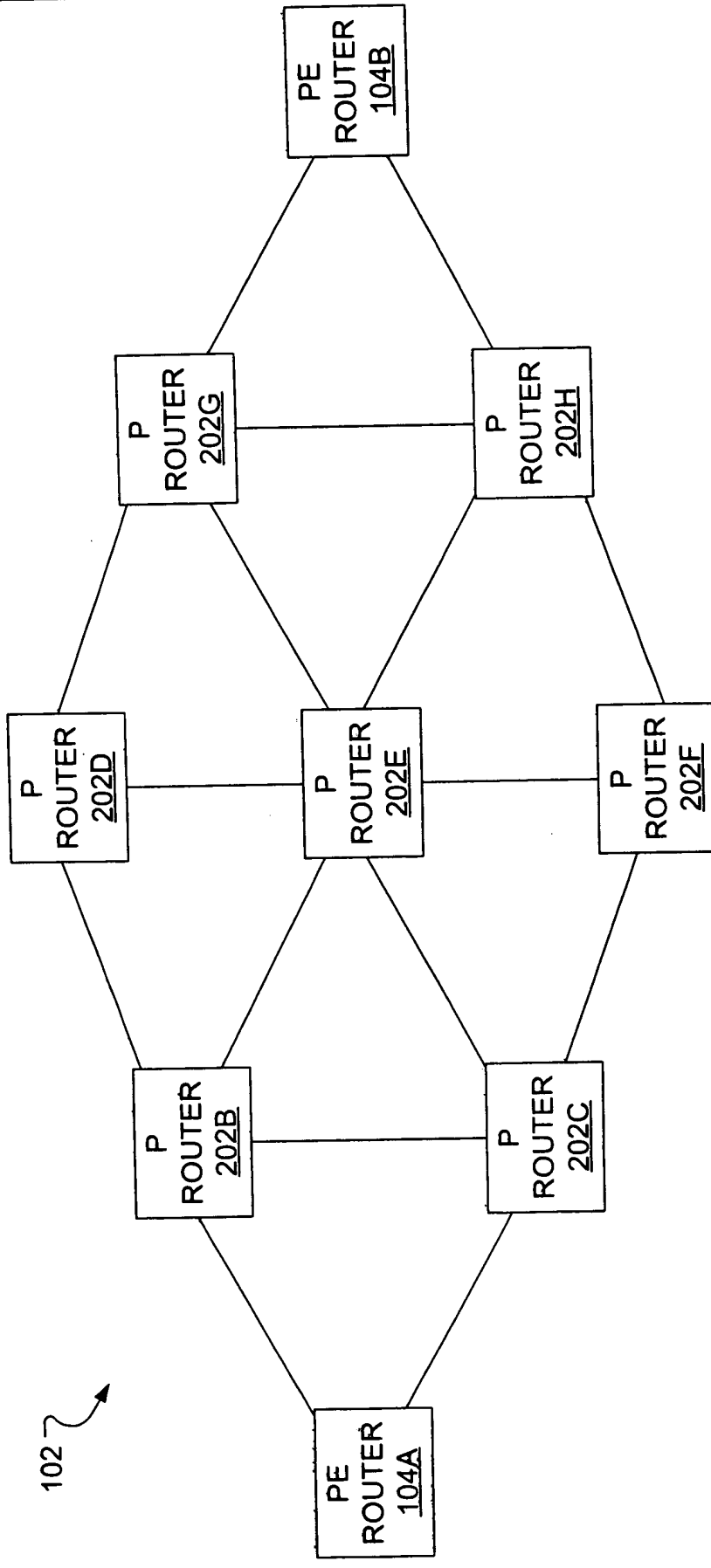


FIG. 2

300 

| DESTINATION IP ADDRESS | BGP NEXT HOP | LABEL FOR DESTINATION AT BGP NEXT HOP |
|------------------------|-------------------------------|---------------------------------------|
| 10.10.2.5 | 10.20.1.1 | 37 |
| 10.10.2.4 | (PE ROUTER 104B) 10.20.1.1 | 43 |
| 10.10.2.1 | 10.20.1.1 | 41 |

FIG. 3

400 ↗

| ADDRESS OF BGP NEXT HOP | IGP NEXT HOP | LABEL FOR BGP NEXT HOP AT IGP NEXT HOP |
|----------------------------|------------------------------|--|
| 10.20.1.1 | 10.20.3.1 | 27 |
| 10.20.2.1 | (P ROUTER 202C) 10.20.3.1 | 34 |
| 10.20.2.2 | 10.20.4.1 | 14 |



FIG. 4

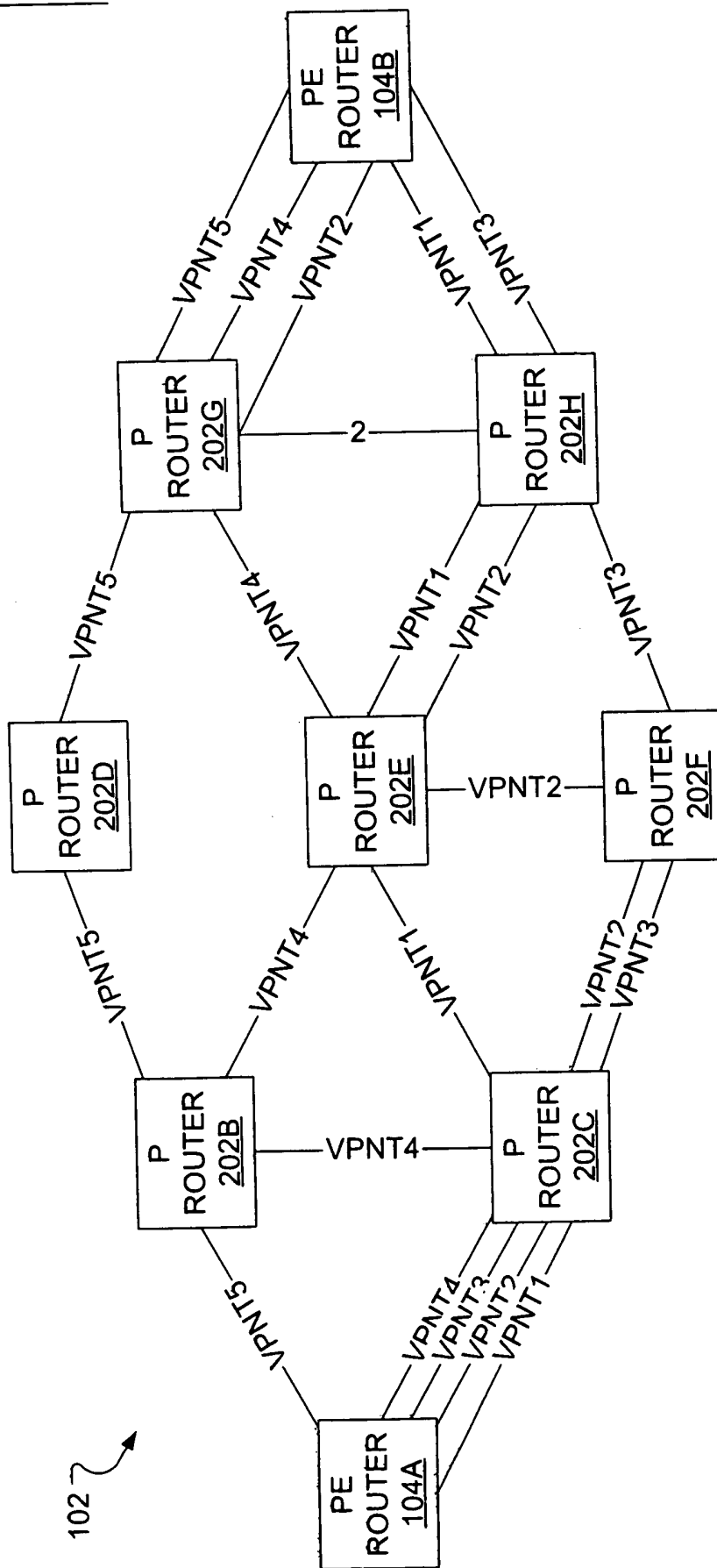


FIG. 5

600 ↗

| TRAFFIC TYPE | PORT ID | SOURCE IP ADDRESS | LOGICAL GROUP ID |
|-----------------|------------|----------------------|---------------------|
| * | 6 | * | 700 |
| * | * | 10.10.1.7 | 700 |
| HTTP | [6] | [10.10.1.7] | 800 |

FIG. 6

701 ↗

LOGICAL GROUP ID 700

| DESTINATION IP ADDRESS | BGP NEXT HOP | LABEL FOR DESTINATION AT BGP NEXT HOP |
|------------------------|---|---------------------------------------|
| 10.10.2.5 | 10.20.1.1 (SECOND PE ROUTER 104B) | 37 |
| 10.10.2.4 | 10.20.1.1 | 43 |
| 10.10.2.1 | 10.20.1.1 | 41 |

702 ↗

LOGICAL GROUP ID 700

| ADDRESS OF BGP NEXT HOP | IGP NEXT HOP | LABEL FOR BGP NEXT HOP AT IGP NEXT HOP |
|-------------------------|------------------------------|--|
| 10.20.1.1 | 10.20.3.1 (P ROUTER 202C) | 27 (VPNT1) |
| 10.20.1.1 | 10.20.3.1 (P ROUTER 202C) | 35 (VPNT3) |
| 10.20.1.1 | 10.20.3.2 (P ROUTER 202B) | 29 (VPNT5) |

FIG. 7

801 ↗

| COST | LOGICAL GROUP ID |
|--------|------------------|
| GOLD | 900 |
| SILVER | 1000 |
| BRONZE | 700 |

FIG. 8

901 ↗

| LOGICAL GROUP ID 900 | | |
|------------------------|---|---------------------------------------|
| DESTINATION IP ADDRESS | BGP NEXT HOP | LABEL FOR DESTINATION AT BGP NEXT HOP |
| 10.10.2.5 | 10.20.1.1 (SECOND PE ROUTER 104B) | 37 |
| 10.10.2.4 | 10.20.1.1 | 43 |
| 10.10.2.1 | 10.20.1.1 | 41 |

902 ↗

| LOGICAL GROUP ID 900 | | |
|-------------------------|------------------------------|--|
| ADDRESS OF BGP NEXT HOP | IGP NEXT HOP | LABEL FOR BGP NEXT HOP AT IGP NEXT HOP |
| 10.20.1.1 | 10.20.3.1 (P ROUTER 202C) | 30 (VPNT2) |

FIG. 9

1001 ↗

| LOGICAL GROUP ID 1000 | | |
|------------------------|---|---------------------------------------|
| DESTINATION IP ADDRESS | BGP NEXT HOP | LABEL FOR DESTINATION AT BGP NEXT HOP |
| 10.10.2.5 | 10.20.1.1 (SECOND PE ROUTER 104B) | 37 |
| 10.10.2.4 | 10.20.1.1 | 43 |
| 10.10.2.1 | 10.20.1.1 | 41 |

1002 ↗

| LOGICAL GROUP ID 1000 | | |
|-------------------------|------------------------------|--|
| ADDRESS OF BGP NEXT HOP | IGP NEXT HOP | LABEL FOR BGP NEXT HOP AT IGP NEXT HOP |
| 10.20.1.1 | 10.20.3.1 (P ROUTER 202C) | 33 (VPNT4) |

FIG. 10